### PATENT APPLICATION

Sheet 1 of 3

#### FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS TO PATENTS APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 10991833-1

SERIAL NO.

APPLICANT

09/578,155

Michael R. Krause et al. FILING DATE

(Use several sheets if necessary)

May 23, 2000

GROUP

#### **U.S. PATENT DOCUMENTS**

				Terr 3 o		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	. NAME	CLASSO 9	ConCLASS
	1A	4,475,192	10/1984	Fernow et al.	370	94 2600
d	18	5,297,143	3/1994	Fridrich et al.	370	85.3
0	1C	5,408,465	4/1995	Gusella et al.	370	17
	1D	5,506,964	4/1996	Beukema	395	200.09
_	1E	5,781,910	7/1998	Gostanian et al.	707	201
	1F	5,790,544	8/1998	Aho et al.	370	395
	1G	5,799,146	8/1998	Badovinatz et al.	395	182.02
~	1Н	5,802,295	9/1998	Fukui et al.	395	200.46
	11	5,926,101	7/1999	Dasgupta	340	825.02
	1J	5,987,506	11/1999	Carter et al.	709	213
1	1K	6,026,448	2/2000	Goldrian et al.	709	712

#### **FOREIGN PATENT DOCUMENTS**

		DOCUMENT	DATE	NAME	01400	SUB CLASS	TRANSLATION		
		NUMBER			CLASS		YES	NO	
	1L								
	1M								
	1N -								
•	10								
	1P								

#### OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2	10=	HBM Corp. Direct Memory Access Tag Archi No. 4B, pp. 143-151 (September 1989).	tecture,* IBM Technical Disclosure Bulletin, Vol. 32,
5	1R	A copy of the PCT International Search Repo No. PCT/US00/14382 (6 pages).	rt mailed August 21, 2000, for International Application
2	18	A copy of the PCT International Search Reports No. PCT/US00/14250 (6 pages).	rt mailed August 21, 2000, for International Application
EXAMIN	ER	D. DINA	DATE CONSIDERED C/OS (0) 3/31/05

Rev 10.00 (PTO1449)

# 1 7 2000 H

#### PATENT APPLICATION

Sheet 2 of 3

FORM PTO-1449

LIST OF PATENTS AND PUBLICATION APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY, DOCKET NO.	SERIAL NO.
10991833-1	09/578,155.
APPLICANT	
Michael R. Krause et al.	*_J
FILING DATE	GROUP
Ma 02 2000	しいしついてつ

(Use several sheets if necessary)				May 23, 20	00		Unk	215	2	
REFEREN	CE C	ESIGNATION	U.S. P	ATENT	DOCUMENTS				D.	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME		С	LASS A	DN Cr	ASSIVI
	2A	6,047,323	4/2000	Kra	iuse		70	Schnol	22	0 200
	2B					· · · · · · · · · · · · · · · · · · ·		<u> </u>	Sy Co	ν. <del></del>
	2C									16F < 60
<del> · · · · · · · · · · · · · · · · ·</del>	2D									
	2E									
-,	2F									
	2G							_		
	2H					· · · · · · · · · · · · · · · · · · ·		•		
	21				<del></del>					· · · · · ·
	2J									
	2K									
<del></del>		DOCUMENT . NUMBER	DATE	REIGN	PATENT DOCUM	IENTS	CLASS	SUB		ISLATIO
	2L	NUMBER						CLASS	YES	NO
	2M				· · · · · · · · · · · · · · · · · · ·			ļ	<del> </del>	<del> </del>
	2N		-	-					<u> </u>	
	20				<del></del> ,				<del> </del> -	<del> </del>
	2P			-				<u> </u>	1	<del> </del>
	<u> </u>	OTHER REFI	ERENCES (includi	ng Aut	thor, Title, Date,	Pertinent	Pages, e	tc.)	1	<u> </u>
ر بو	2Q	A copy of the No. PCT/US00	PCT International S / 4282 (7 pages).	Search	Report mailed Augu	ust 22, 20	00, for In	ternation	nal App	lication
<del></del>					·					
8	2R	A copy of the No. PCT/US00	PCT International S /14384 (6 pages).	earch	Report mailed Augu	ust 23, 200	00, for In	ternatior	а Арр	lication
	2\$	A copy of the No. PCT/US00	PCT International S /14294 (7 pages).	Search (	Report mailed Augu	ust 25, 200	90, for Int	ternation	al App	lication

EXAMINER

D. DINA

DATE CONSIDERED

5/25/07 3/31/0T

Rev 10.00 (PTO1449)

#### PATENT APPLICATION Sheet 3 of 3 ATTY. DOCKET NO. SERIAL NO. **FORM PTO-1449** LIST OF PATENTS AND PUBLICATIONS FOR ADEMAN 10991833-1 09/578.155 **APPLICANT** APPLICANT'S INFORMATION DISCLOSURE Michael R. Krause et al. STATEMENT FILING DATE **GROUP** (Use several sheets if necessary) May 23, 2000 Unk- 2152 REFERENCE DESIGNATION U.S. PATENT DOCUMENTS **EXAMINER** DOCUMENT DATE NAME INITIAL NUMBER **3A** 3B **3C** 3D 3E 3F 3G 3H 31 3J 3K FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT DATE SUB NAME CLASS NUMBER CLASS YES NO 3L **3M** 3N 30 3P OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) A copy of the PCT International Search Report mailed October 3, 2000, for International Application No. PCFAJS00/14491 (7 pages). 3R A copy of the PCT International Search Report mailed October 30, 2000, for International Application No. PCT/US00/14226 (6 pages). 38 **EXAMINER** DATE CONSIDERED 6/20/04 3/31/05

D. nin4

OIPE 10 2 8 2005 5

Sheet 1

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

order the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known

....

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

l of 13

(Use as many sheets as necessary)

Complete if Known					
Application Number	09/578,155				
Filing Date	May 23, 2000				
First Named Inventor	Michael Krause et al				
Art Unit	2153- 2152				
Examiner Name	Dung C. Dinh				
Attomey Docket Number	10991833-1				

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2 (7 known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
15		<sup>us-</sup> 4,527,267	7/1985	Cohen	
7		<sup>US-</sup> 4,999,771	3/1991	Ralph et al.	
W		<sup>US-</sup> 5,699,501	12/1997	Badovinatz et al.	
N		<sup>US-</sup> 6,006,254	12/1999	Waters et al.	
کیر		<sup>US-</sup> 6,092,220	7/2000	Palmer et al.	
2		<sup>US-</sup> 6,119,163	9/2000	Monteiro et al.	
		US-			
		US-			
		US-		1	
		US-			
		US-		<u> </u>	·   · · · · · · · · · · · · · · · · · ·
		US-	· ·		
		US-			

		FORE	IGN PATENT DOCU	MENTS		
	Cite No.	Foreign Patent Document	reign Patent Document Publication Name of Patent Date Applicant of Cited D		Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>6</sup> (If known)	MM-DD-YYYY		Or Relevant Figures Appear	
						L
						L
	<u> </u>					Ļ
						L
	l		i		l	1

Examiner Signature	D. DIM	Date Considered	3	131105

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

Trainstation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	ite for form 1449/PTO			e required to respond to a collection of information unless it contains a valid OMB control number.  Complete If Known			
Subsulu	IN ION ION 1443F TO			Application Number	09/578,155		
INF	ORMATION	DIS	CLOSURE	Filing Date	May 23, 2000		
STATEMENT BY APPLICANT				First Named Inventor	Michael Krause et al		
		4		Art Unit	2153- 2152		
	(Use as many she	ets as n	ecessary)	Examiner Name	Dung C. Dinh		
Sheet	2	of	3	Attorney Docket Number	10991833-1		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
S		Aguilar, Lorenzo, "Datagram Routing for Internet Multicasting," ACM, Vol. 14, Issue 2, pp. 58-63 (June 1984).	
1		Aldrich, John M. et al., "How to Program a Set of Bits?" Google, Google Groups: comp.lang.c++, pp. 1-4 (Oct. 1997). <a href="http://groups-beta.google.com">http://groups-beta.google.com</a>	
W		Armstrong, S. et al., "Multicast Transport Protocol," Network Working Group, Request for Comments: 1301, pp. 1-29 (February 1992). <a href="http://www.faqs.org/rfcs/rfc1301.html">http://www.faqs.org/rfcs/rfc1301.html</a>	
d		Chang, Jo-Mei et al., "Reliable Broadcast Protocols," ACM Transactions on Computer Systems, Vol. 2, No. 3, pp. 251-273 (August 1984).	
or		Cheriton, David R. et al., "Host Groups: A Multicast Extension for Datagram Internetworks," ACM, pp. 172-179 (1985).	
₩.		Crowcroft, J. et al., "A Multicast Transport Protocol," ACM Press, pp. 247-256 (1988).	
d		Diot, Christophe, "Reliability in Multicast Services and Protocols; A Survey," International Conference on Local and Metropolitan Communication Systems, 19 pages (Dec. 1994).	
d		Fenner, W., *Internet Group Management Protocol, Ver. 2,* Network Working Group, Request for Comments: 2236, pp.1-18 (November 1997). <a href="http://www.faqs.org/rfcs/rfc2236.html">http://www.faqs.org/rfcs/rfc2236.html</a>	
d		Information Sciences Institute, "Transmission Control Protocol," Darpa Internet Program Protocol Specification, pp. 1-68 (Sept. 1981). <a href="http://www.faqs.org/rfc793.html">http://www.faqs.org/rfc793.html</a>	
d		Mockapetris, Paul V., "Analysis of Reliable Multicast Algorithms for Local Networks," ACM, pp. 150-157 (1983).	

Examiner	O. DIM	Date Considered	3/3//05
Signature	• • • • • • • • • • • • • • • • • • • •	Considered	· · · · · · · · · · · · · · · · · · ·

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		re required to respond to a collection of information unless it contains a valid OMB control number.  Complete if Known			
300388	2010 10111 14437 70			Application Number	09/578,155
INF	ORMATION	DIS	CLOSURE	Filing Date	May 23, 2000
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Michael Krause et al
<b>7</b>				Art Unit	2153-2152
(Use as many sheets as necessary)			ecussary)	Examiner Name	Dung C. Dinh
Sheet	3	of	3	Attorney Docket Number	10991833-1

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
B		Paul, Sanjoy et al., "Reliable Multicast Transport Protocol (RMTP)," IEEE Journal on Selected Areas in Communications, Vol. 15, No. 3, pp. 407-421 (April 1997).	
-			

Examiner	- OIM	Date	0/11/
	יעטווע אַ מ	Considered	3/4/05
Signature	<b>,</b>	Constacted	( '(')

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.